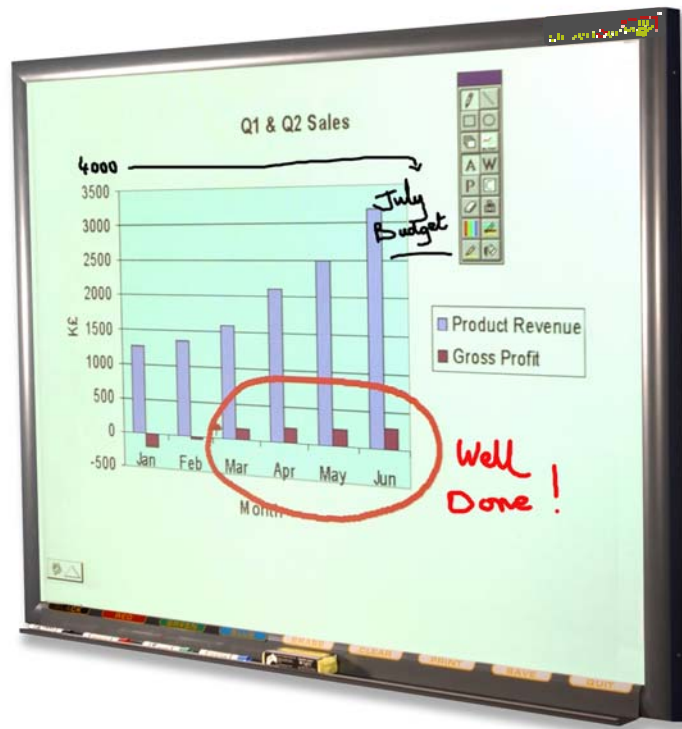




Front Projection TouchScreens

User Manual



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1. Assembly Instructions

1.1 Safety Advice

Two people are required to lift and fix the CleverTouch when attaching to a cabinet or stand.

Protector safety must be followed in accordance with the projector manual recommendations.

When setting up the projector, do not look directly into the light path as this may cause damage to the eyes.

1.2 Unpacking your CleverTouch

Please check the contents of your box. You should have:

| Parts List | Quantity |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| CleverTouch | 1 |
| Letter Box wall mount kit including support plates and shipping screws (fitted to the rear of the screen) | See Note 1 |
| Installation CD Rom including: CleverTouch driver software for Windows 95/98, ME, 2000, NT, XP (Unix and Macintosh available on-demand), Annotate live annotation software, software licence agreements, User Manual, Product Flyer | 1 |
| USB Controller (fitted to the rear of the screen) | See Note 2 |
| USB or serial 5 metre cable | See Note 3 |

Note 1 This wall mount kit will not be supplied with a Babymate with Desk stand product.

Note 2 The standard controller shipped with CleverTouch products is a USB controller, which has the interface cable, fitted directly to the controller box. A serial controller can also be supplied provided it has been requested at the time of order.

Note 3 The 5 metre serial cable will only be supplied when a serial controller has been requested at the time of order.

1.3 Connecting your CleverTouch to the Controller

These instructions should be read together with the drawing in Appendix 3.

Connect your controller to the CleverTouch. The 4 pin male end of the cable connects to the TouchScreen socket. This is found on the bottom right hand corner of the frame, at the rear of the TouchScreen.

1.4 Connecting the Controller to the PC

Connect the controller to your PC using the cable provided. If you have a standard USB controller then the cable is already fitted at one end to the controller and the other plugs directly into a free USB socket in your PC (**SEE SECTION 1.5.2 FIRST**) If you have purchased a serial port controller, then you will also have been supplied with a 5 metre serial cable, one end plugs into your COM's port on your PC and the other to the CleverTouch serial controller.

1.5 Loading CleverTouch Driver Software

1.5.1 Installing the driver on a Windows Based PC

UPDD is a Windows device driver, which enables your CleverTouch to emulate a mouse, which in turn enables the CleverTouch to operate any application designed to run under Windows. The UPDD package consists of a setup program, the device driver itself, and a control program, which enables you to configure the CleverTouch to your precise needs.

Your CleverTouch hardware must be correctly installed before attempting to install UPDD. If the CleverTouch is connected to a serial port other than COM1, the UPDD hardware configuration settings must be reset to match the settings on the hardware itself.

To install the driver, follow the instructions hereafter:

1. Make sure no other applications are running.
2. If you have a USB controller, **(Windows 98 / ME / 2K MAKE SURE THE USB DEVICE IS DISCONNECTED, Windows XP Connect USB Device FIRST)**
3. Insert the installation disk into the CD drive, the CD will autostart
4. Click on the "Start here" button or if you wish to install the driver directly, click on the "Install the Windows Universal Drivers" button.
5. Follow the instructions in the dialogues boxes, which follow
6. The only setting that needs a choice is the type of controller:
Either SC3 serial controller or TS12 USB controller.
7. Then connect the controller
8. Calibrate to the default 5 points (see below)

After you restart your system, touching the screen should result in some movement of the mouse cursor, although it will not accurately follow your finger until you calibrate. (Please refer to the Calibration section of the Help files for instructions on how to calibrate). Often, the cursor will immediately move to one corner of the screen and it will be impossible to move it anywhere else. This is quite normal and will only be remedied by calibration. If the mouse cursor does not move at all, the driver is not communicating with the CleverTouch correctly, and you will need to refer to the troubleshooting section of the help files.

1.5.2 Installing the driver on a Macintosh

1. Insert the driver software into the appropriate drive
2. **MAKE SURE THE USB DEVICE IS DISCONNECTED**
3. Open the folder on the desktop and click on the installer folder
4. Follow the directions on the screen
5. Then install the controller
6. Then calibrate either 3 or 7 points

1.6 Installing Lynx

Insert the Lynx PDI software CD into the appropriate drive

The CD will load automatically

Follow the directions on the screen

Use 'Typical' to install all of Lynx

Use 'Minimal' to install Lynx only without clipart (not recommended)

Follow the activation procedures given

1.7 Testing and calibrating the Unit

Go to the UPDD folder under programmes, click on settings, then on calibrate and touch the crosses appearing on the screen.

Under Macintosh, the Calibration appears automatically.

2. Warranty

Sahara CleverTouch has a standard 3 years Return to Base (RTB) warranty. To activate the warranty please fill in the Warranty Registration form (see Appendix 2), and fax it back to CleverTouch Technical Support on 020 8319 7782.

3. Cleaning and maintenance of your CleverTouch product

3.1 Cleaning your CleverTouch

For cleaning Front projection screens we recommend the following steps:

Only DRY MARKER PENS shall be used.
Do NOT use other felt tip pens, "highlighters" etc.

Routinely clean the board after each session, using a good quality WHITE MARKER BOARD Spray cleaner (not supplied) or CleverBrush universal marker pen cleaner (not supplied). Good quality Marker Board cleaner usually contains Glycol Ether other solvents and surfactants. The screen should not be left over night or stored until the markers pen annotations have been cleaned off.

If some residue is left after step two, these can be easily removed by immersing a clean cotton cloth into a diluted solution of "Washing up" liquid in water. Squeeze the cloth almost dry and wipe the whole surface gently to loosen the residue. Remove the residue with a dry paper towel or tissue. The screen should now be ready for its next user session.

In the event that INCORRECT PENS, STYLUS or even FINGERNAIL MARKS are left on the screen, the following procedure can be used, but should not be necessary very frequently.

Obtain a small tin of ISOPROPYL ALCOHOL, such as 3M product VHB Surface cleaner and wipe the surface fully with an absorbent application pad lightly soaked in the Isopropyl Alcohol. This will clean off stubborn marks. These marks are usually surface deposits from the stylus (e.g. PVC) or human fingernail and not scratches into the hardened and anti-glare surface of the whiteboard. This operation must be done in a well-ventilated room.

3.2 Contacting Sahara Presentation Systems Plc for assistance

To require assistance from Sahara call +44 (0) 208 319 7788

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Appendix 1

Frequently asked questions

Can anyone use CleverTouch?

Anyone who is familiar with using Windows and a mouse can quickly become familiar with CleverTouch.

What computer do I need to connect to the Clever family range of products?

The minimum recommended requirement is a Pentium PC running at 166HZ. This must have a free USB/serial communications port.

Which operating system can I use with the CleverTouch?

Drivers for Windows 95/98 , ME, 2000, NT, XP are all shipped with the CleverTouch products. UNIX and Macintosh drivers are also available if requested at time of order.

Do I have to use a special pen with the CleverTouch?

No, you can use your finger or any non-specific stylus.

Can I use any collaborative or annotation software not supplied by Sahara Presentation Systems Plc?

Yes, as long as it runs under CleverTouch supported operating systems. You will still have to load the CleverTouch drivers for the third party software to work correctly.

How long will my CleverTouch last?

The touchscreen is rated to 6 million touches in one point before you achieve a 20% loss in touch sensitivity. Sahara Presentation Systems Plc warranty for all our products is 3 years RTB.

Is the screen surface durable?

The touchscreen surface is manufactured from a highly durable material, which is resistant to most scratching. However, a sharp implement may be able to cut or scratch the surface.

Can CleverTouch be used for internet data sharing and conferencing?

With software & hardware packages like Microsoft Networking, Intel Proshare & many others, data & audio communication is possible via modem, network or ISDN connection.

What video and data conference system can I use with CleverTouch?

Any manufacturer of this equipment can be used with CleverTouch. For full interactive capabilities a free serial port and a Windows environment is required.

How does CleverTouch recognise the position of the mouse cursor on the touchscreen?

A CleverTouch is attached to the computer via its own serial link to the serial COM port or to the USB controller. Co-ordinates are then passed to a mouse driver, which translates the mouse cursor movements on the CleverTouch screen to the computer. By calibrating the projected image size produced, a mapped image is created. This need only be executed once providing the image size is not changed. When the board is activated with your finger or stylus (non-specific) the mapped co-ordinates are translated to the computer allowing complete control of your computer application. The CleverTouch is pressure sensitive & therefore can register very light contacts on its surface.

How do I activate a right hand mouse click in Windows?

The right mouse click can easily be activated by simply holding either your finger or stylus onto the board, in the same location, for approximately 2 seconds. By default a touch on the board is recognised by the computer as a left hand mouse click.

Appendix 2

Warranty Registration Card

Appendix 3

Assembly Drawing

